

## CLAIMS

In view of the many possible embodiments to which the principles of our invention can be put, it should be recognized that the detailed embodiments are illustrative only and should not be taken as limiting the scope of our invention. Rather, we claim as our invention all such embodiments as may come within the scope and spirit of the following claims and equivalents thereto.

We claim:

1. The non-contact voltmeter comprising the amplifying circuit containing a device selected from the group consisting of vacuum tubes, semiconductors, and optical devices, whereby atmospheric voltages may be measured, informing anglers to the presence of conditions conducive to the natural stimulation of fish feeding.
2. The non-contact voltmeter comprising an antenna, an earth ground, and a device selected from the group consisting of vacuum tubes, semiconductors, and optical devices arranged to directly measure atmospheric voltage, or by inference, other related quantities or qualities in real time, using only the naturally occurring voltage and conductivity present.
3. The voltage-amplifying circuit consisting of a vacuum tube operated at substantially reduced cathode temperature and electron emission, the sole path for electron communication between the control grid and return side of the circuit being provided by the specific environment to be measured.
4. The voltmeter comprising a vacuum tube amplifying circuit, with the vacuum tube operated at substantially reduced cathode temperature and electron emission, said circuit arranged to develop a voltage for indication by a meter, or produce a control voltage to be applied to charging or charge-neutralizing equipment.